

# java.util.function Interfaces Cheat Sheet

Classification		Interface	Single Abstract Method (SAM)
Consumer		BiConsumer<T,U>	void <b>accept</b> (T t, U u)
		Consumer<T>	void <b>accept</b> (T t)
		DoubleConsumer	void <b>accept</b> (double value)
		IntConsumer	void <b>accept</b> (int value)
		LongConsumer	void <b>accept</b> (long value)
		ObjDoubleConsumer<T>	void <b>accept</b> (T t, double value)
		ObjIntConsumer<T>	void <b>accept</b> (T t, int value)
		ObjLongConsumer<T>	void <b>accept</b> (T t, long value)
Function	Object(s) To Primitive	ToDoubleBiFunction<T,U>	double <b>applyAsDouble</b> (T t, U u)
		ToDoubleFunction<T>	double <b>applyAsDouble</b> (T value)
		ToIntBiFunction<T,U>	int <b>applyAsInt</b> (T t, U u)
		ToIntFunction<T>	int <b>applyAsInt</b> (T value)
		ToLongBiFunction<T,U>	long <b>applyAsLong</b> (T t, U u)
		ToLongFunction<T>	long <b>applyAsLong</b> (T value)
	Primitive To Primitive	DoubleToIntFunction	int <b>applyAsInt</b> (double value)
		DoubleToLongFunction	long <b>applyAsLong</b> (double value)
		IntToDoubleFunction	double <b>applyAsDouble</b> (int value)
		IntToLongFunction	long <b>applyAsLong</b> (int value)
		LongToDoubleFunction	double <b>applyAsDouble</b> (long value)
		LongToIntFunction	int <b>applyAsInt</b> (long value)
	To Object	BiFunction<T,U,R>	R <b>apply</b> (T t, U u)
		DoubleFunction<R>	R <b>apply</b> (double value)
		Function<T,R>	R <b>apply</b> (T t)
IntFunction<R>		R <b>apply</b> (int value)	
LongFunction<R>		R <b>apply</b> (long value)	
Operator	Binary	BinaryOperator<T>	T <b>apply</b> (T t, T u)
		DoubleBinaryOperator	double <b>applyAsDouble</b> (double left, double right)
		IntBinaryOperator	int <b>applyAsInt</b> (int left, int right)
		LongBinaryOperator	long <b>applyAsLong</b> (long left, long right)
	Unary	DoubleUnaryOperator	double <b>applyAsDouble</b> (double operand)
		IntUnaryOperator	int <b>applyAsInt</b> (int operand)
		LongUnaryOperator	long <b>applyAsLong</b> (long operand)
		UnaryOperator<T>	T <b>apply</b> (T t)
Predicate		BiPredicate<T,U>	boolean <b>test</b> (T t, U u)
		DoublePredicate	boolean <b>test</b> (double value)
		IntPredicate	boolean <b>test</b> (int value)
		LongPredicate	boolean <b>test</b> (long value)
		Predicate<T>	boolean <b>test</b> (T t)
Supplier		BooleanSupplier	boolean <b>getAsBoolean</b> ()
		DoubleSupplier	double <b>getAsDouble</b> ()
		IntSupplier	int <b>getAsInt</b> ()
		LongSupplier	long <b>getAsLong</b> ()
		Supplier<T>	T <b>get</b> ()

# java.util.function Interfaces Cheat Sheet

*A nice printer-ready cheat sheet about the 43 “functional interfaces” introduced in Java 8 into the java.util.function package*

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